IN THE CLAIMS:

1. (Currently amended) A method, operable in a data processing system having a plurality of processes, for performing [[a]] communication management ~~connection~~, comprising the steps of:

sending a communication management request from a first process within [[the]] said plurality of processes ~~via a communication establishment message~~ to an adapter associated with a second process within [[the]] said plurality of processes, wherein a private data field contains communication attributes for a plurality of communication connections and unreliable datagram resolutions;

~~retrieving the~~ receiving a reply to said communication establishment request; ~~, under control of the adapter, via the communication establishment message from the host;~~ and

responsive to [[the]] said second process ~~within the plurality of processes~~ allowing [[the]] said communication management request, initiating, under control of [[the]] said adapter, multiple communication connections and unreliable datagram resolutions.

2. (Currently amended) The method as recited in claim 1, wherein [[the]] said first process ~~within the plurality of processes~~ is an active side of the process.

3. (Currently amended) The method as recited in claim 1, wherein [[the]] said second process ~~within the plurality of processes~~ is a passive side of the process.

4. (Canceled)

5. (Currently amended) The method as recited in claim 4, wherein ~~the first host~~ said channel adapter is a host channel adapter.

6. (Currently amended) The method as recited in claim 4, wherein ~~the second host~~ said channel adapter is a destination ~~host~~ channel adapter.

7. (Canceled

8. (Currently amended) The method as recited in claim 1, further comprising:

determining [[the]] that said first process within [[the]] said plurality of processes has received a ~~multiple connections and unreliable datagram resolutions~~ reply ~~message~~ from [[the]] said second process within a specified period of time;

passing ~~the multiple connections and unreliable datagram resolutions~~ said reply ~~message~~ to [[the]] said first process ~~within the plurality of processes~~; and

processing ~~the multiple connections and unreliable datagram resolutions~~ said reply message.

9. (Currently amended) The method as recited in claim 1, further comprising:

determining [[the]] that said first process ~~within the plurality of processes~~ has not received ~~a multiple connections and unreliable datagram resolutions~~ said reply ~~message~~ from [[the]] said second process within a specified period of time; and

aborting a multiple connections and unreliable datagram resolutions communication establishment process.

10. (Currently amended) The method as recited in ~~claim 1, further~~ claim 8, further comprising:

responsive to ~~a multiple connections and unreliable datagram resolutions~~ said reply ~~message~~ being received by [[the]] said first process ~~within the plurality of processes~~, creating a ~~multiple connections and unreliable datagram resolutions~~ communication management message; and

posting ~~the multiple connections and unreliable datagram resolutions~~ said communication management message as a work request on a communication management send queue associated with [[the]] said first process ~~within the plurality of processes~~.

11. (Currently amended) The method as recited in claim 10, wherein ~~the multiple connections and unreliable datagram resolutions~~ said communication management message is a ~~multiple connections and unreliable datagram resolutions~~ "ready to use" communication management message.

12. (Currently amended) The method as recited in claim 10, further comprising:

converting, by a channel interface, ~~the multiple connections and unreliable datagram resolutions said~~ work request into a work queue element;

processing, by a channel adapter, [[the]] said work request; and

sending ~~the multiple connections and unreliable datagram resolutions~~ said communication management message to [[the]] said second process ~~within the plurality of processes~~.

13. (Currently amended) A method, operable in a data processing system having a plurality of processes, for ~~performing a~~ establishing multiple connections, ~~and unreliable datagram resolutions communication connection,~~ said method comprising the steps of:

~~receiving a communication management~~ sending a connection establishment request from a first process within [[the]] said plurality of processes ~~via a communication establishment request for multiple connections and unreliable datagram resolutions message~~ to an adapter associated with a second process within [[the]] said plurality of processes, wherein a private data field contains a connection indicator;

~~sending a multiple connections and unreliable datagram resolutions~~ receiving a reply ~~communication establishment message,~~ to said connection establishment request; ~~under control of the adapter, to the first process within the plurality of processes;~~ and

responsive to [[the]] said second process ~~within the plurality of processes receiving the multiple connections and unreliable datagram resolutions reply communication establishment message from the first process within the plurality of processes~~ approving said request, establishing multiple communication connections between [[the]] said first process ~~within the plurality of processes~~ and [[the]] said second process ~~within the plurality of processes~~.

14. (Currently amended) The method as recited in claim 13, further comprising:

placing ~~the multiple connections and unreliable datagram resolutions~~ said communication establishment request ~~message~~ in a receive queue of a communication manager associated with [[the]] said second process ~~within the plurality of processes~~; and.

passing ~~the multiple connections and unreliable datagram resolutions~~ said communication establishment request ~~message~~ to [[the]] said second process ~~within the plurality of processes~~.

15. (Currently amended) The method as recited in claim 13, further comprising:

posting ~~the multiple connections and unreliable datagram resolutions~~ a reply to said communication establishment ~~message~~ request as a work request on a communication management send queue associated with [[the]] said second process ~~within the plurality of processes~~; and

converting [[the]] said work request into a work queue element by a channel interface.

16. (Currently amended) The method of claim 13, wherein [[the]] said multiple connections ~~and unreliable datagram resolutions~~ are considered established when ~~the passive side~~ said second process receives one of a message from at least one established connection and a "ready to use" message.

17. (Currently amended) A system, comprising:

a bus system;

a communications unit connected to [[the]] said bus system;

a memory, including a set of instructions, connected to [[the]] said bus system; and

a processing unit connected to [[the]] said bus system, wherein [[the]] said processing unit includes at least one processor, wherein [[the]] said processing unit executes [[the]] said set of instructions to send a communication management request, via [[the]] said communications unit, from a first process within [[the]] a plurality of processes ~~via a communication establishment message~~ to an adapter associated with a

second process within [[the]] said plurality of processes~~, retrieve the communication establishment request, under control of the adapter, via the communication establishment protocol of the sender message from the host,~~ and

responsive to [[the]] said second process ~~within the plurality of processes~~ allowing [[the]] said communication management request, initiates, under control of [[the]] said adapter, multiple communication connections and unreliable datagram resolutions.

18. (Currently amended) A system, comprising:

a bus system;

a communications unit connected to [[the]] said bus system;

a memory, including a set of instructions, connected to [[the]] said bus system; and

a processing unit connected to [[the]] said bus system, wherein [[the]] said processing unit includes at least one processor, wherein [[the]] said processing unit executes [[the]] said set of instructions to ~~receive a communication management~~ send a connection establishment request, via [[the]] said communications unit, from a first process within [[the]] a plurality of processes ~~via a communication establishment request message~~ to an adapter associated with a second process within [[the]] said plurality of processes, ~~sends a reply communication establishment message, under control of the adapter, to the first process within the plurality of processes,~~ and responsive to [[the]] said second process ~~within the plurality of processes receiving the reply communication establishment message~~ accepting said connection establishment request from [[the]] said first process ~~within the plurality of processes~~, establishes multiple communication connections ~~and unreliable datagram resolutions~~ between [[the]] said first process ~~within the plurality of processes~~ and [[the]] said second process ~~within the plurality of processes~~.

19. (Currently amended) A system, operable in a data processing system having a plurality of processes, for performing a communication connection, comprising:

sending means for sending a ~~multiple connections and unreliable datagram resolutions~~ communication management request, containing multiple requests for

connections or unreliable datagram resolutions, from a first process within [[the]] said plurality of processes ~~via a communication establishment message~~ to an adapter associated with a second process within [[the]] said plurality of processes; ~~retrieving means for retrieving the multiple connections and unreliable datagram resolutions communication establishment request, under control of the adapter, via the communication establishment message from the host;~~ and

initiating means, responsive to [[the]] said second process ~~within the plurality of processes~~ allowing [[the]] said communication management request, for initiating, under control of [[the]] said adapter, multiple communication connections and unreliable datagram resolutions.

20. (Currently amended) A system, operable in a data processing system having a plurality of processes, for performing a plurality of communication connections, comprising:

receiving means for receiving a ~~multiple connections and unreliable datagram resolutions communication management~~ connection establishment request from a first process within [[the]] said plurality of processes ~~via a communication establishment request message~~ to an adapter associated with a second process within [[the]] said plurality of processes;

sending means for sending a ~~multiple connections and unreliable datagram resolutions~~ reply communication establishment message, under control of [[the]] said adapter, to [[the]] said first process ~~within the plurality of processes~~; and

establishing means, responsive to [[the]] said second process ~~within the plurality of processes~~ receiving ~~the reply~~ said communication establishment message from [[the]] said first process ~~within the plurality of processes~~, for establishing multiple communication connections ~~and unreliable datagram resolutions~~ between [[the]] said first process ~~within the plurality of processes~~ and [[the]] said second process ~~within the plurality of processes~~.

21. (Currently amended) A computer program product in a computer-readable medium for performing a communication connection, comprising:

instructions for sending a ~~multiple connections and unreliable datagram resolutions~~ communication management request from a first process within [[the]] a plurality of processes ~~via a communication establishment message~~ to an adapter associated with a second process within [[the]] said plurality of processes; ~~instructions for retrieving the multiple connections and unreliable datagram resolutions communication establishment request, under control of the adapter, via the communication establishment message from the host;~~ and

instructions, responsive to [[the]] said second process ~~within the plurality of processes~~ allowing [[the]] said communication management request, for initiating, under control of [[the]] said adapter, multiple communication connections and unreliable datagram resolutions.

22. (Currently amended) A computer program product in a computer-readable medium for performing [[a]] multiple communication connections, comprising:

instructions for ~~receiving a multiple connections and unreliable datagram resolutions communication management~~ sending a connection establishment request from a first process within [[the]] a plurality of processes ~~via a communication establishment request message~~ to an adapter associated with a second process within [[the]] said plurality of processes; ~~instructions for sending a multiple connections and unreliable datagram resolutions reply communication establishment message, under control of the adapter, to the first process within the plurality of processes;~~ and

instructions, responsive to [[the]] said second process ~~within the plurality of processes receiving the reply communication~~ accepting said connection establishment ~~message~~ request from [[the]] said first process ~~within the plurality of processes~~, for establishing multiple communication connections ~~and unreliable datagram resolutions~~ between [[the]] said first process ~~within the plurality of processes~~ and [[the]] said second process ~~within the plurality of processes~~.

23. (New) The method of claim 13, wherein said communications indicator contains communication attributes for a plurality of connections.

24. (New) The method of claim 13, wherein said communications indicator contains a name of a connection group.